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| Application Number                       | 10/040,915  |
| Filing Date                              | 1/5/2002    |
| First Named Inventor                     | Steven Teig |
| Group Art Unit                           | 2825        |
| Examiner Name                            | A. Liu      |
| Total Number of Pages in This Submission | SPLX.P0022  |

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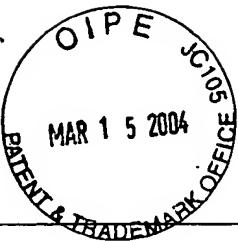
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PATENT  
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Mani Adel

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Steven Teig

Serial No.: 10/040,915

Filing Date: 1/5/2002

For: ROUTING METHOD AND  
APPARATUS

Examiner: A. Liu

Group Art Unit: 2825

**INFORMATION DISCLOSURE  
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This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. The requisite fee is attached.

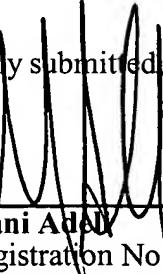
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Dated: March 10, 2004

Respectfully submitted,

By:

  
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| Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |   |    |   | Application Number     | 10/040,915  |
|   |   |    |   | Filing Date            | 1/5/2002    |
|   |   |    |   | First Named Inventor   | Steven Teig |
|   |   |    |   | Group Art Unit         | 2825        |
|   |   |    |   | Examiner Name          | A. Liu      |
| Sheet   | 1 | of | 1 | Attorney Docket Number | SPLX.P0022  |

| U.S. PATENT DOCUMENTS |                          |                                |                                      |  |   |
|-----------------------|--------------------------|--------------------------------|--------------------------------------|--|---|
| Examiner*<br>Initials | Cite<br>No. <sup>1</sup> | U.S. Patent Document<br>Number | Date of<br>Publication<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear |
|                       | 1.                       | 2003/0121017                   | A1 06-26-2003                        | Andreev et al.                                     |   |
|                       | 2.                       | 6,088,519                      | 07-11-2000                           | Koford   |   |

| NON PATENT LITERATURE DOCUMENTS |                          |   |  |  |  |
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| Examiner*<br>Initials           | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |
|                                 | 3.                       | Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.  |  |  |  |
|                                 | 4.                       | Cong, J. et al., Multilevel Approach to Full Chip Gridless Routing, 11/2001, IEEE, pp. 396-403.   |  |  |  |
|                                 | 5.                       | Yan et al., Three-Layer Bubble-Sorting -Based Non-Manhattan Channel Routing, ACM Transactions on Design Automation of Electronic Systems, Vol. 5, No. 3, July 2000, pp.726-734.   |  |  |  |

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